

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S72 | 56 | optoelectronic and convert\$4 with electric\$4 with signal with optic\$4 and flip adj chip and (heat therm\$3) with (dissippat\$5 spread\$4 sink block guide) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/08/22 09:30 |
| S88 | 49 | 385/14,18,24,50.ccls. and light with emit\$6 same polar\$8 with (convert\$6 rotat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/08/22 10:21 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|------------------------------------|------------------|---------|------------------|
| S1 | 39032 | 385/14,129.ccls. 257/21,53-56,72, 113-118,184-189,225-234, 257-258,290-294,414,431-466, 446,499-564.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 13:52 |
| S2 | 956 | S1 and convert\$4 with optic\$4 with electric\$4 with (signal power) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 13:54 |
| S3 | 62 | S2 and ((silicon glass) near5 (substrate base)) and (flipchip flip adj chip) and (light near5 emit\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 14:56 |
| S4 | 34 | S2 and IC same output same electric\$4 near3 signal same optic\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 14:57 |
| S5 | 4 | S3 and S4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 13:59 |
| S6 | 23 | S4 and @ad<"20020624" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 14:38 |
| S7 | 6 | "6690845" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 14:39 |
| S8 | 6 | "6690845" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 14:55 |
| S9 | 4 | S3 and IC same output same electric\$4 near3 signal same optic\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 15:09 |
| S10 | 0 | S9 and polariz\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 15:04 |
| S11 | 0 | S9 and optic\$4 near axis | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 15:04 |
| S12 | 0 | jp-63-170141\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 15:09 |

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| S13 | 0 | jp-63-170141-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 15:09 |
| S22 | 1 | "63170141" | JPO | OR | ON | 2005/06/21 15:11 |
| S23 | 0 | S9 and optic\$4 near axis | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 16:13 |
| S24 | 1 | S9 and axis | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 16:13 |
| S25 | 53 | 385/129.ccls. and vcsel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 16:30 |
| S26 | 10 | S25 and @py<"2003" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 16:29 |
| S27 | 269 | planar near5 waveguide and vcsel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 16:30 |
| S28 | 4 | S27 and light near3 emit\$4 same rotat\$4 same (axis degree angle) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 16:32 |
| S29 | 14 | S27 and light near3 emit\$4 same polariz\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 16:34 |
| S30 | 10 | S27 and vcsel same polariz\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 16:36 |
| S31 | 4 | S27 and vcsel same polariz\$4 same emit\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 16:47 |
| S32 | 0 | S27 and vcsel same polariz\$4 near5 rotator | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 16:48 |
| S33 | 0 | vcsel same polariz\$4 near5 rotator | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 16:48 |

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| S34 | 7 | vcsl and polariz\$4 near5 rotator | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 17:11 |
| S35 | 9 | 385/124.ccls. and vcsl | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 17:13 |
| S36 | 1267 | "372"/\$.ccls. and vcsl | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 17:14 |
| S37 | 19 | S36 and lateral near5 coupl\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 17:15 |
| S38 | 9 | S36 and polarization near3 rotator | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 17:16 |
| S39 | 3 | S36 and (polarization near3 rotator) same mirror | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/21 17:16 |